

## **THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

1.     **(Currently Amended)**     A drive controlling apparatus for controlling a drive of a plurality of optical adjusting members included in an optical system of an optical apparatus, comprising:

        a memory configured to store preset drive information of each of the optical adjusting members which include at least one preset speed and at least one preset position;

        a controller configured to control the drive of each of the optical adjusting members on the basis of the preset drive information, including a state in which the plurality of the optical adjusting members are simultaneously driven; and

        a selection member configured for a user to select a speed mode from a plurality of speed modes, each mode having set conditions that correspond to the preset drive information,

        wherein the controller sets a drive speeds for each optical adjusting member in accordance with the set conditions for the selected mode; and

        wherein one of the plurality of modes includes set conditions that set the drive speed of a first optical adjusting member of the plurality of optical adjusting members to a preset speed and set the drive speed of a second optical adjusting member to a speed calculated from the drive speed of the first optical adjusting member such that the drive of the first and second optical adjusting members to the preset positions stored in the memory are substantially simultaneously completed.

**2. (Previously Presented)** The drive controlling apparatus according to claim 1, wherein one of the plurality of modes includes set conditions that set the drive speed of each optical adjusting member to a maximum speed at which the optical adjusting member can be driven.

**3. (Currently Amended)** The drive controlling apparatus according to claim 1, wherein one of the plurality of speed modes includes set conditions that set the drive speed of each optical adjusting member to a preset speed stored in the memory.

**4. (Canceled)**

**5. (Previously Presented)** The drive controlling apparatus according to claim 1, wherein one of the plurality of modes includes set conditions that set a first drive speed of the first optical adjusting member to a preset speed, the first drive speed being a speed at which the drive of the first optical adjusting member is most quickly completed when the first optical adjusting member is driven to the preset position, and set the drive speed of the second optical adjusting member such that the drive of the first and second optical adjusting members to the preset positions stored in the memory are substantially simultaneously completed.

**6. (Currently Amended)** The drive control apparatus according to claim 1, wherein one of the plurality of speed modes includes set conditions that set a first drive speed of the first optical adjusting member to a preset speed, the first drive speed being a speed at which

the drive of the first optical adjusting member is most slowly completed when the first optical adjusting member is driven to the preset position, and set the drive speed of the second optical adjusting member such that the drive of the first and second optical adjusting members to the preset positions stored in the memory are substantially simultaneously completed.

**7. (Previously Presented)** The drive controlling apparatus according to claim 1, further comprising a characteristic setting member for variably setting a drive characteristic of the optical adjusting member, including at least one of a start time and a completion time.

**8. (Original)** An optical apparatus comprising:  
a plurality of optical adjusting members; and  
a drive controlling apparatus according to claim 1.

**9. (Original)** An image-taking system comprising:  
an optical apparatus having a plurality of optical adjusting members; and  
a drive controlling apparatus according to claim 1; and  
a camera attached with the optical apparatus.

**10. (Canceled)**

**11. (New)** A drive controlling apparatus for controlling drives of a first optical adjusting member and a second optical adjusting member which are included in an optical system, the drive controlling apparatus comprising:

a selection member configured for a user to select a preset mode out of plural preset modes;

a memory configured to store first preset drive information of the first optical adjusting member and second preset drive information of the second optical adjusting member, the first preset information and the second preset information including (a) respective drive speeds of the first and second optical adjusting members when a preset operation is performed in each of the plural preset modes, and (b) respective positions of the first and second optical adjusting members after the preset operation is performed in each of the plural preset modes; and

a controller configured to control the drives of the first and second optical adjusting members based on the first preset information and the second preset information for the selected preset mode,

wherein the controller moves the first optical adjusting member at a first constant speed and simultaneously therewith moves the second optical adjusting member at a second constant speed.

**12. (New)** The drive controlling apparatus according to claim 11, wherein the first optical adjusting member is a zoom lens in the optical system, and the second optical adjusting member is a focus lens in the optical system.

**13. (New)** An optical apparatus comprising:  
an optical system including a first optical adjusting member and a second optical adjusting member; and  
a drive control apparatus according to claim 11.

- 14. (New)** An image-taking apparatus comprising:
- an optical apparatus comprising an optical system including a first optical adjusting member and a second optical adjusting member;
  - a drive control apparatus according to claim 11; and
  - a camera attached with the optical apparatus.